

# Converting Colors

XYZ(64.4943, 75.1764, 76.1321)

Have a look what the booklet for  
XYZ(64.4943, 75.1764, 76.1321)  
contains.

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# Color

**XYZ(64.2985, 74.9715,  
76.0478)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C4E9D8
RGB	196, 233, 216
RGB Percent	77%, 91%, 85%
CMY	0.2314, 0.0863, 0.1529
CMYK	0.16, 0.00, 0.07, 0.09
HSL	152°, 46%, 84%
HSV	152°, 16%, 91%
XYZ	64.2985, 74.9715, 76.0478
YIQ	219.9990, -16.5950, -13.1310

# Conversions

## Conversions Part 2

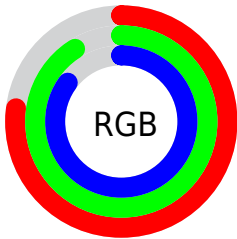
<b>Format</b>	<b>Color</b>
<b>RYB</b>	196, 220, 233
Decimal	12904920
CIELab	89.38, -15.30, 4.24
CIELCh	89, 15.874, 164.506
Yxy	74.9715, 0.2986, 0.3482
Android (android.graphics.Color)	4291095000 (0xFFC4E9D8)
YUV	219.9990, -1.9715, -21.0471
Hunter-Lab	86.5861, -18.9722, 8.5364

# Details

The XYZ color **64.2985, 74.9715, 76.0478** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.3571, 61.6094, 71.4012**, and the grayscale version is **68.0502, 71.5941, 77.9659**.

A 20% lighter version of the original color is **94.3180, 99.6226, 108.8657**, and **33.3105, 39.7683, 39.6386** is the 20% darker color. If you saturate the color by 10%, you get **57.3630, 71.5529, 68.7322**, and if you desaturate by 10%, it is **72.2696, 78.9176, 83.8859**.

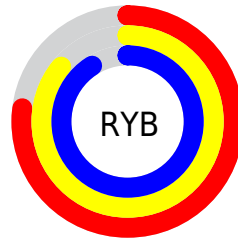
# Distribution



Red (77%)

Green (91%)

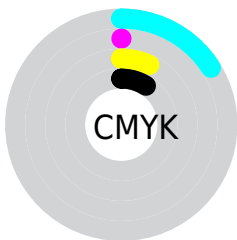
Blue (85%)



Red (77%)

Yellow (86%)

Blue (91%)

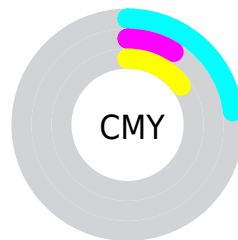


Cyan (16%)

Magenta (0%)

Yellow (7%)

Black (9%)



Cyan (23%)

Magenta (9%)

Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.2985, 74.9715, 76.0478 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 64.2985, 74.9715, 76.0478 by changing the saturation by 10% instead.



■ 64.2985, 74.9715,  
76.0478

■ 64.2985, 74.9715,  
76.0478

429.8519,  
477.8196, 500.8625

■ 47.1551, 55.5895,  
55.9648

110.1120,  
126.2720, 129.5552

■ 33.3667, 39.8739,  
39.7709

139.5129,  
158.9594, 163.8167

■ 22.5681, 27.4403,  
27.0475

173.7302,  
196.8506, 203.6414

■ 14.3939, 17.9041,  
17.3762

213.1294,  
240.3302, 249.4479

■ 8.4786, 10.8812,  
10.3383

258.0758,  
289.7825, 301.6547

■ 4.4571, 5.9870,  
5.5153


308.9348,


■ 1.9638, 2.8372,


345.5919, 360.6804


2.4887


366.0717,  
408.1428, 426.9435

 0.6135, 1.0473,  
0.8341


 0.0000, 0.0000,  
0.0000


 64.2985, 74.9715,  
76.0478


 64.2985, 74.9715,  
76.0478


 57.3630, 71.5529,  
68.7322

 72.2696, 78.9176,  
83.8859


 51.4118, 68.6295,  
61.9231

 81.3123, 83.4035,  
92.2520

 46.3986, 66.1797,  
55.6108

 87.3426, 86.3256,  
100.9652

 42.2707, 64.1763,  
49.7833

 88.4304, 86.7607,  
106.6935

■ 38.9698, 62.5898,  
44.4281

■ 36.4303, 61.3864,  
39.5321

■ 34.5761, 60.5271,  
35.0811

■ 33.3132, 59.9637,  
31.0601

■ 32.9022, 59.7855,  
29.5232

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



66.1484, 74.9715, 67.3030



64.2985, 74.9715, 76.0478



64.2674, 74.9715, 87.1086

# Triad

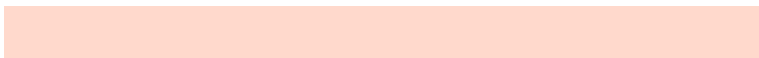
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



64.2985, 74.9715, 76.0478



73.1459, 74.9715, 104.1468



76.7202, 74.9715, 67.5327

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



64.2985, 74.9715, 76.0478



65.3571, 61.6094, 71.4012

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.7384, 74.9715, 76.3884



64.2985, 74.9715, 76.0478



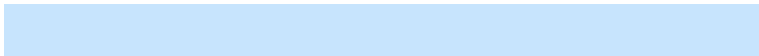
76.6245, 74.9715, 97.8611

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



64.2985, 74.9715, 76.0478



69.2809, 74.9715, 104.0344



78.7027, 74.9715, 87.4814



73.2726, 74.9715, 62.6999



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64.2985, 74.9715, 76.0478



65.2772, 74.9715, 94.3617



78.7027, 74.9715, 87.4814



77.5937, 74.9715, 70.1005

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



64.3006, 74.9746, 76.0495



89.5848, 97.2899, 103.7953



66.6233, 76.4528, 63.4709



19.0162, 20.7454, 22.0657



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

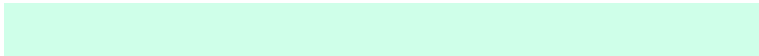


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.3006, 74.9746, 76.0495



76.0370, 90.5888, 90.3717



66.2664, 75.2042, 88.1179



15.2088, 16.9983, 17.7824



18.7319, 33.9472, 17.0849



1.5194, 2.6851, 1.5969



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



65.3571, 61.6094, 71.4012



77.5607, 71.3146, 83.6692



63.5896, 61.3494, 60.7155



15.3534, 15.1692, 17.1461



20.6366, 10.4573, 9.1537

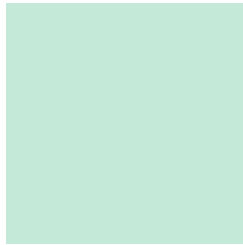


1.6685, 0.8404, 0.9719



# Previews

## White Background



This preview shows how the XYZ color 64.2985, 74.9715, 76.0478 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

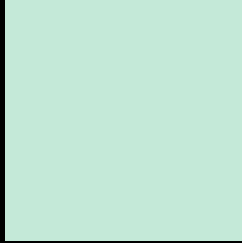
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.2985, 74.9715, 76.0478 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

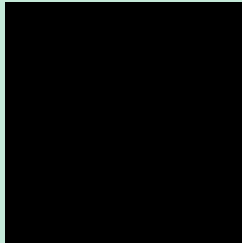
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

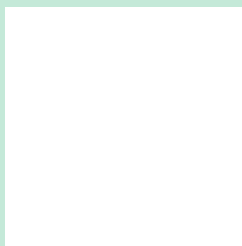
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 64.2985, 74.9715, 76.0478**

## **Background**



This preview shows how black text looks on a background with the XYZ color 64.2985, 74.9715, 76.0478.



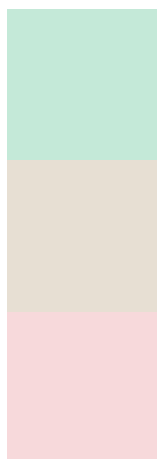
This preview shows how white text looks on a background with the XYZ color 64.2985, 74.9715,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

64.2985, 74.9715, 76.0478

### Protanopia

71.1005, 74.4674, 72.2543

### Deuteranopia

75.9568, 74.5143, 77.3972



## Tritanopia

68.6193, 74.6197, 98.7821

# Trichromacy



## Original Color

64.2985, 74.9715, 76.0478

## Protanomaly

68.3928, 74.6477, 73.7546

## Deuteranomaly

71.0375, 74.3313, 76.9330

## Tritanomaly

66.9903, 74.7919, 90.2624

# Monochromacy



## Original Color

64.2985, 74.9715, 76.0478

## Achromatopsia

68.0267, 71.5694, 77.9390

## Achromatomaly

66.5754, 72.8138, 77.5634

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.2985, 74.9715, 76.0478 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(196, 233, 216)` looks like.

```
.text, #text, p{  
    color:rgb(196, 233, 216)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(196, 233, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 233, 216) }
```

## Border

The CSS property to change the border of an element to XYZ 64.2985, 74.9715, 76.0478 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(196, 233, 216) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(196, 233, 216) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(196, 233, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 233, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 233, 216);  
box-shadow:4px 4px 4px 4px rgb(196, 233,  
216) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.2985, 74.9715, 76.0478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 233, 216) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(196,  
233, 216) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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